

Assignment: Week 8 Murach Coding Assignments (Individual)

Exercise 12-1 Create an Inventory class (#'s 1-20)

Open the project and add an InvItem class

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) InventoryMaintenance

Debug Any CPU Start

frmInvMaint.cs frmNewItem.cs frmNewItem.cs [Design] InvItem.cs* frmInvMaint.cs [Design]

InventoryMaintenance InventoryMaintenance.InvItem ItemNo

```
8 namespace InventoryMaintenance
9 {
10     /*****
11     * Andrea Griffis
12     * Murach Practice Assignments (Individual)
13     * Exercise 12-1 Create an Inventory class
14     * *****/
15     public class InvItem
16     {
17         private object itemNo;
18         private string description;
19         private object price;
20         public InvItem()
21         {
22         }
23
24         public InvItem(int itemNo, string description, decimal price)
25         {
26             this.ItemNo = itemNo;
27             this.Description = description;
28             this.Price = price;
29         }
30
31         public int ItemNo
32         {
33             get
34             {
35                 return (int)itemNo;
36             }
37         }
38     }
39 }
```

115% No issues found Ln: 14 Ch: 51 SPC CRLF

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) InventoryMaintenance

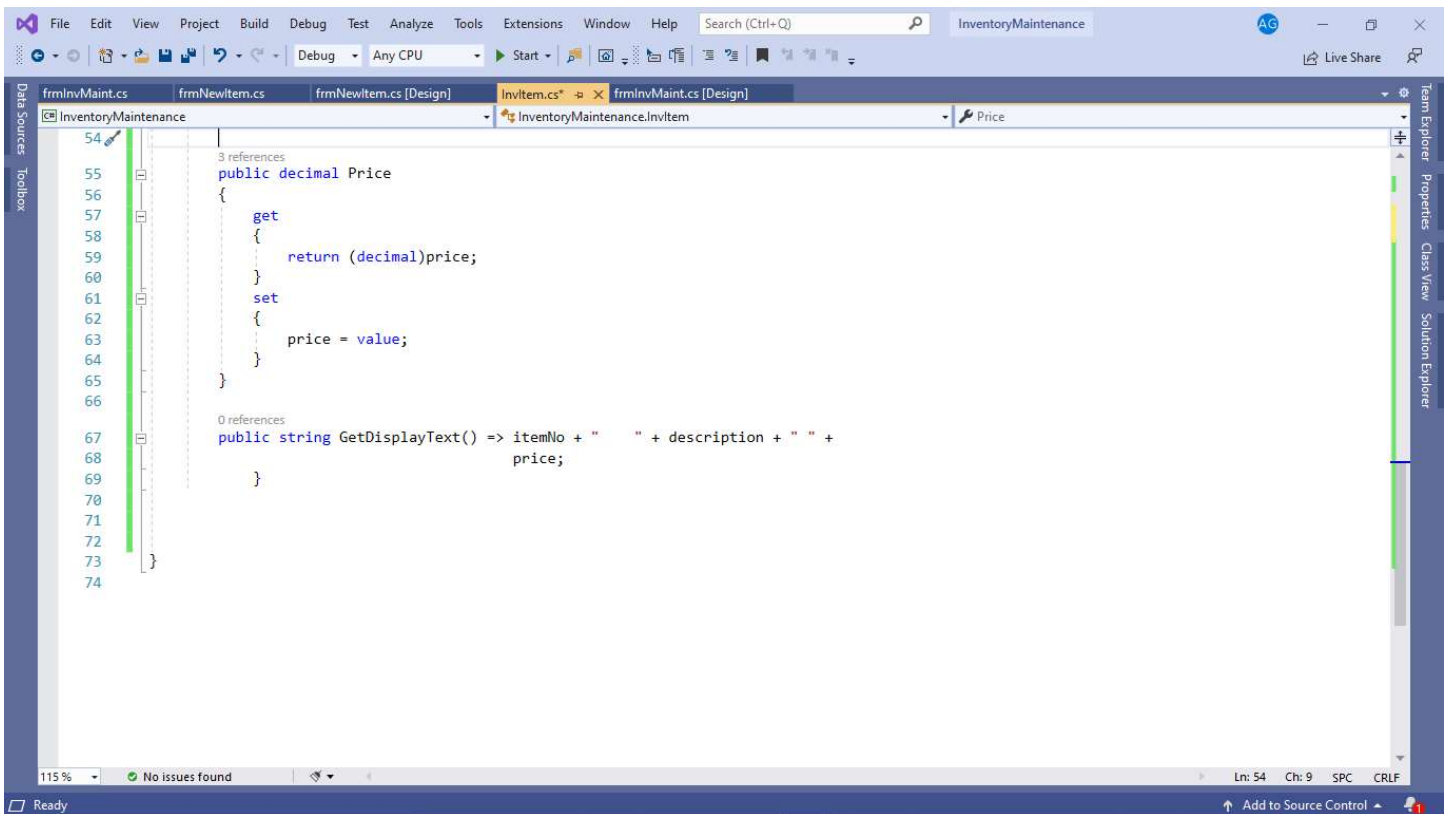
Debug Any CPU Start

frmInvMaint.cs frmNewItem.cs frmNewItem.cs [Design] InvItem.cs* frmInvMaint.cs [Design]

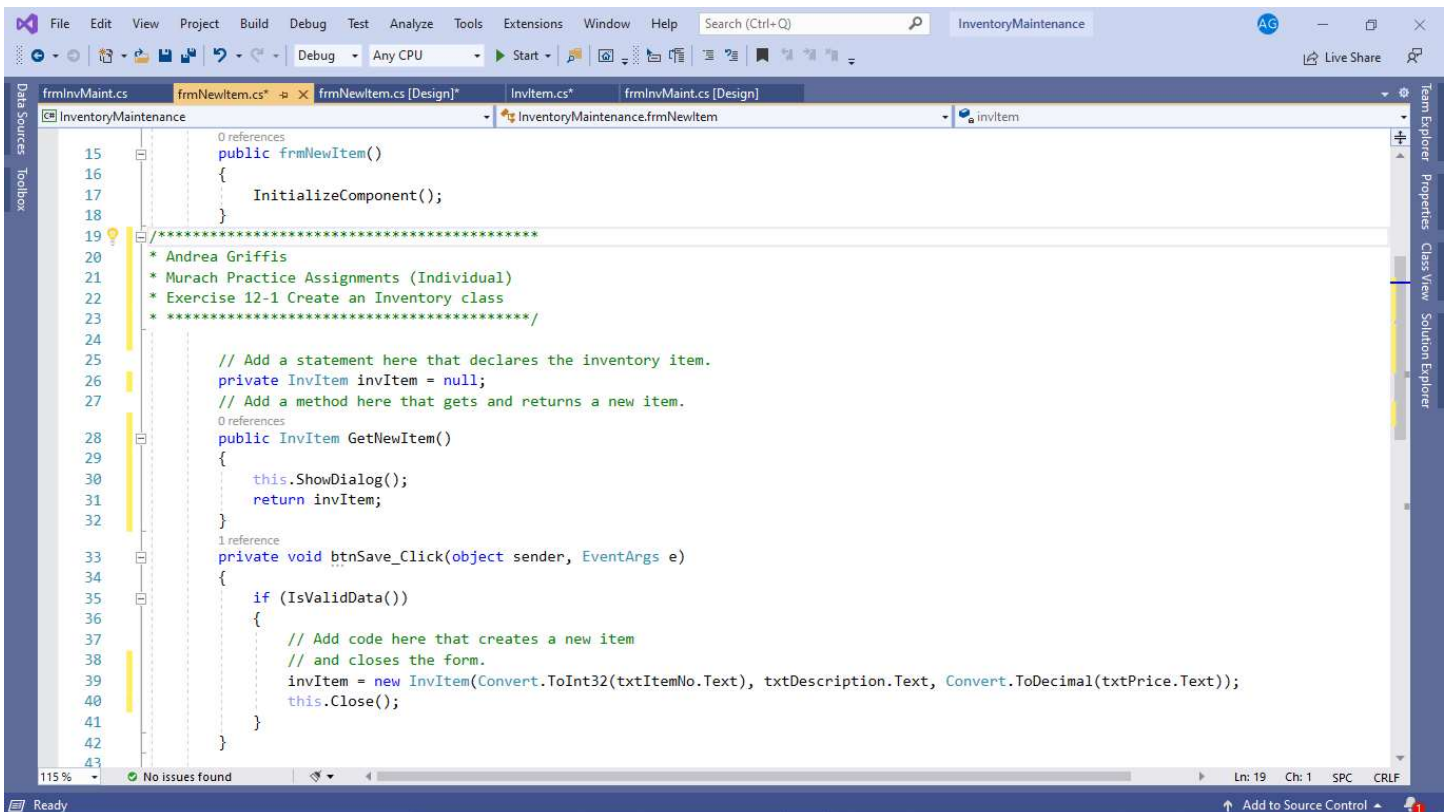
InventoryMaintenance InventoryMaintenance.InvItem Price

```
35         return (int)itemNo;
36     }
37     set
38     {
39         itemNo = value;
40     }
41 }
42
43 public string Description
44 {
45     get
46     {
47         return description;
48     }
49     set
50     {
51         description = value;
52     }
53 }
54
55 public decimal Price
56 {
57     get
58     {
59         return (decimal)price;
60     }
61     set
62     {
63         price = value;
64     }
65 }
```

115% No issues found Ln: 58 Ch: 9 SPC CRLF



Add code to the implement the New Item form



Add Code to the inventory maintenance form

The image displays two screenshots of a Visual Studio IDE showing C# code for an inventory maintenance form. The first screenshot shows the `frmInvMaint_Load` and `FillItemListBox` methods. The second screenshot shows the `btnAdd_Click` and `btnDelete_Click` methods.

First Screenshot: `frmInvMaint_Load` and `FillItemListBox`

```
19  /*****
20  * Andrea Griffis
21  * Murach Practice Assignments (Individual)
22  * Exercise 12-1 Create an Inventory class
23  * *****/
24
25  // Add a statement here that declares the list of items.
26  private List<InvItem> invItems = null;
27
28  1 reference
29  private void frmInvMaint_Load(object sender, EventArgs e)
30  {
31      // Add a statement here that gets the list of items.
32      invItems = InvItemDB.GetItems();
33      FillItemListBox();
34
35  2 references
36  private void FillItemListBox()
37  {
38      lstItems.Items.Clear();
39      // Add code here that loads the list box with the items in the list.
40      foreach (InvItem i in invItems)
41      {
42          lstItems.Items.Add(i.GetDisplayText());
43      }
44
45  1 reference
46  private void btnAdd_Click(object sender, EventArgs e)
47  {
48      // Add code here that creates an instance of the New Item form
49      // and then gets a new item from that form.
```

Second Screenshot: `btnAdd_Click` and `btnDelete_Click`

```
34      foreach (InvItem i in invItems)
35      {
36          lstItems.Items.Add(i.GetDisplayText());
37      }
38  }
39  /*****
40  * Andrea Griffis
41  * Murach Practice Assignments (Individual)
42  * Exercise 12-1 Create an Inventory class
43  * *****/
44
45  1 reference
46  private void btnAdd_Click(object sender, EventArgs e)
47  {
48      // Add code here that creates an instance of the New Item form
49      // and then gets a new item from that form.
50      frmNewItem addNewItem = new frmNewItem();
51      InvItem invItem = addNewItem.GetNewItem();
52      if (invItem != null)
53      {
54          invItems.Add(invItem);
55          InvItemDB.SaveItems(invItems);
56          FillItemListBox();
57      }
58
59  1 reference
60  private void btnDelete_Click(object sender, EventArgs e)
61  {
62      int i = lstItems.SelectedIndex;
63      if (i != -1)
```

Test the application to be sure the add new item works

